

Product Information
Personal Care

DOW CORNING

F16542

DOW CORNING® 749
Fluid

FEATURES

- Long lasting
- Wash-off resistant
- Film forming
- Unique feel

INCI NAME: Cyclomethicone (and) Trimethylsiloxysilicate

APPLICATION

- Areas of potential use for DOW CORNING 749 Fluid include a wide range of Personal Care applications such as: skincare, colour cosmetics, suncare, haircare, shower gels, antiperspirants and deodorants.

TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Parameter	Unit	Value
Appearance		Slightly coloured, clear to slightly hazy liquid
Viscosity at 25°C	mm ² /s	450
Refractive index at 25°C		1.4050

DESCRIPTION

DOW CORNING 749 Fluid is a blend of approximately 50 percent Trimethylsiloxysilicate and 50 percent Cyclomethicone (Decamethylpentacyclosiloxane). After the evaporation of the Cyclomethicone, the high molecular weight silicone resin forms a highly durable film on the skin.

REGULATORY STATUS

DOW CORNING 749 Fluid is referenced in JCIC under the chemical name Trimethylsiloxysilicate with the code 520827 in the CLS categories: 1-11: No limit.

HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH

HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE.

USABLE LIFE AND STORAGE

When stored at or below 32°C in the original unopened containers, this product has a usable life of 24 months from the date of production.

PACKAGING

This product is available in 20kg pails and 200kg drums.

Samples are available in 453g packs.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.

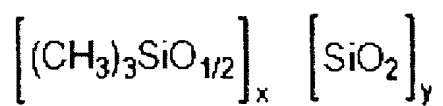
Compatibility			
Wt % DOW CORNING 749 Fluid:	10	50	90
Material			
Water	NC	NC	NC
SD Alcohol 40	NC	NC	C
Waxes			
Candelilla	NC	NC	NC
Carnauba	C	C	C
Ozokerite	NC	NC	NC
Esters			
Isopropyl Myristate	C	C	C
C12-15 Benzoyl Alcohol	C	C	C
Oils			
Mineral oil	NC	NC	C
Sunflower oil	NC	NC	NC
Castor oil	NC	NC	NC
Silicones			
Dimethicone 50mm ² /s	C	C	C
Cyclomethicone	C	C	C
C = Compatible, NC = Not compatible			

Trimethylsiloxysilicate

- **INCI Name:** Trimethylsiloxysilicate
- **CTFA Monograph Id:** 3275
- **Empirical Formula:** $(C_3H_9O_{1/2}Si)_x(O_2Si)_y$
- **Definition:** Trimethylsiloxysilicate is the siloxane polymer that conforms generally to the formula:
([structure](#))
- **SAFETY/REGULATORY INFORMATION**
- **Information Source(s):** JCIC, JCLS, JSQI
- **Chemical Class(es):** [Siloxanes and Silanes](#)
- **Function(s):** [Antifoaming Agents](#); [Skin-Conditioning Agents - Occlusive](#)
- **Reported Product Categories:** [Bath Capsules](#); [Bath Preparations, Misc.](#); [Bath Soaps and Detergents](#); [Blushers \(All types\)](#); [Body and Hand Preparations \(Excluding Shaving Preparations\)](#); [Eye Makeup Preparations, Misc.](#); [Eye Makeup Removers](#); [Eye Shadows](#); [Eyebrow Pencils](#); [Eyeliners](#); [Face and Neck Preparations \(Excluding Shaving Preparations\)](#); [Face Powders](#); [Foundations](#); [Hair Coloring Preparations, Misc.](#); [Lipsticks](#); [Makeup Bases](#); [Makeup Fixatives](#); [Makeup Preparations \(Not eye\), Misc.](#); [Manicuring Preparations, Misc.](#); [Mascara](#); [Moisturizing Preparations](#); [Nail Polish and Enamels](#); [Night Skin Care Preparations](#); [Shampoos \(Non-coloring\)](#); [Skin Care Preparations, Misc.](#); [Skin Fresheners](#); [Suntan Gels, Creams, and Liquids](#); [Suntan Preparations, Misc.](#)
- **Ingredient Source(s):** Synthetic
- **Trade Name(s):**
 - [AEC Trimethylsiloxysilicate\(A & E Connock \(Perfumery & Cosmetics\) Ltd.\)](#)
 - [Botanisil TSS-1\(Botanigenics, Inc\)](#)
 - [KF-7312 Resin\(Shin-Etsu Chemical Co.\)](#)
 - [KF-9000 Resin\(Shin-Etsu Chemical Co.\)](#)
 - [Si-Tec TMS 803\(International Specialty Products\)](#)
 - [SR399\(GE Advanced Materials-Silicones\)](#)
 - [Wacker-Belsil TMS 803\(Wacker Chemie AG\)](#)
- **Trade Name Mixture(s):**
 - [AEC Cyclopentasiloxane & Trimethylsiloxysilicate \(A & E Connock \(Perfumery & Cosmetics\) Ltd.\)](#)
 - [AEC Dimethicone \(&\) Trimethylsiloxysilicate \(A & E Connock \(Perfumery & Cosmetics\) Ltd.\)](#)
 - [Baysilone TP 3744 \(DSM Nutritional Products, Inc.\)](#)
 - [Baysilone TP 3744 \(GE Bayer Silicones GmbH & Co. KG\)](#)
 - [Botanisil CTS-45 \(Botanigenics, Inc\)](#)
 - [Botanisil DTS-35 \(Botanigenics, Inc\)](#)
 - [Colourmat Woe Black \(Creations Couleurs\)](#)
 - [Colourmat Woe Blue \(Creations Couleurs\)](#)
 - [Colourmat WOE Brown \(Creations Couleurs\)](#)
 - [Colourmat WOE Geranium \(Creations Couleurs\)](#)
 - [Colourmat Woe Green \(Creations Couleurs\)](#)
 - [Colourmat Woe Green Leaf \(Creations Couleurs\)](#)
 - [Colourmat WOE Manganese Violet \(Creations Couleurs\)](#)
 - [Colourmat WOE Melon \(Creations Couleurs\)](#)

- Colourmat WOE Pink (Creations Couleurs)
- Colourmat Woe Red (Creations Couleurs)
- Colourmat WOE Violet (Creations Couleurs)
- Colourmat Woe White (Creations Couleurs)
- Colourmat Woe Yellow (Creations Couleurs)
- Dow Corning 749 Cosmetic Fluid (Dow Corning Corporation)

<http://www.ctfa-online.org/ctfa-static/img/structure/3275.gif>



Silica Silylate

- **INCI Name:** Silica Silylate
- **CTFA Monograph Id:** 2794
- **Definition:** Silica Silylate is a hydrophobic silica derivative where some of the hydroxyl groups on the surface of the fumed silica have been replaced by trimethylsiloxyl groups.
- **SAFETY/REGULATORY INFORMATION**
- **Chemical Class(es):** Siloxanes and Silanes
- **Function(s):** Antifoaming Agents; Bulking Agents; Skin-Conditioning Agents - Emollient; Suspending Agents - Nonsurfactant
- **Reported Product Categories:** Eye Shadows; Eyebrow Pencils; Eyeliners; Face and Neck Preparations (Excluding Shaving Preparations); Foundations; Lipsticks
- **Ingredient Source(s):** Synthetic
- **Trade Name(s):**
 - Aerosil R 805(Degussa AG)
 - Aerosil R 812(Degussa AG)
 - Aerosil R 816(Degussa AG)
 - Aerosil R 8200(Degussa AG)
 - Aerosil R 812 S(Degussa AG)
 - Aerosil RX 200(Degussa AG)
 - Aerosil RX 300(Degussa AG)
 - Cab-o-sil TS-530(Cabot Corporation)
 - Dow Corning(R) VM-2260 Aerogel Beads(Dow Corning Corporation)
 - Dow Corning(R) VM-2270 Aerogel Fine Particles(Dow Corning Corporation)
 - HDK H2000(Wacker Chemie AG)
 - OriStar Silica Silylate(Orient Stars LLC)
 - Sipernat D 17(Degussa AG)
 - VP Aeroperl R 806/30(Degussa AG)



MATERIAL SAFETY DATA SHEET

Prepared in accordance with ISO 11014-1/ ANSI standard
Z400.1-1998

Revision Date: 23/June/2004

Product Name:

CAB-O-SIL® TS-530

Synonyms:

Silicon Dioxide, Synthetic, Crystalline-Free

Use of the Substance/Preparation:

Various, Rheological control, Flow agent, Reinforcing agent in: Coatings, Adhesives and/or sealants, Silicone elastomer, Rubber products, Dispersion, Suspension

Supplier:

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US: Other 1-217-253-5595

Chemical Name	CAS Number	EINECS Number	Weight %	EU Classification
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica	68909-20-6	272-697-1	100	None

EMERGENCY OVERVIEW - CAUTION:

White powder. Odorless. Dust irritating to respiratory tract. Irritating, but will not permanently injure eye tissue. Repeated exposure may cause skin dryness or cracking. Take precautionary measures against static discharges. All metal parts of the mixing and processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations.

Principle Routes of Exposure:

Inhalation, Skin contact, Eye contact

POTENTIAL HEALTH EFFECTS

Eye Contact:

May cause mechanical irritation. Irritating, but will not permanently injure eye tissue. Low hazard for usual industrial or commercial handling.

Skin Contact:

Repeated exposure may cause skin dryness or cracking.

Inhalation:

Dust may be irritating to respiratory tract. Provide appropriate dust ventilation at machinery and at places where dust can be generated. See also 8.

Ingestion:

Health injuries are not known or expected under normal use. Low hazard for usual industrial or commercial handling.

